

ECS Configuration Change Request

Page 1 of 4 Page(s)

1. Originator Paul E. Van Hemel	2. Log Date: 04 Feb 00	3. CCR #: 00.0122	4. Rev: --	5. Tel: (301)925-1110	6. Rm #: 2011A	7. Dept. M&O
8. CCR Title: Update PVC system backup configuration and procedures for off-site storage of backup data						
9. Originator Signature/Date <i>Paul E. Van Hemel</i> 2/4/00		10. Class II	11. Type: CCR	12. Need Date: 02/15/99		
13. Office Manager Signature/Date <i>Kenneth L. Kuckett</i> 2/4/00		14. Category of Change: EDF (RTSC)		15. Priority: (If "Emergency" fill in Block 28). Routine		
16. Documentation/Drawings Impacted: 611-CD-510-001		17. Schedule Impact: N/A		18. Cl(s) Affected: MCI		
19. Release Affected by this Change: 5A 5B		20. Date due to Customer: April 2000		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input checked="" type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: 214-CD-001-001 ECS Security Plan						
23. Problem: (use additional Sheets if necessary) ECS Security Plan, para. 6.2.3.4c Backup Software Copies, requires that "At least two backup generations shall be maintained. The oldest generation will be stored at a secure off-site location for a 2-month period." Currently, there are no procedures or provisions for off-site storage; interim and full backups are written to a single Digital Linear Tape (DLT) volume group. There are insufficient tapes to permit cloning of the full backup, removal of the cloned backup data from the autochanger, and storage off-site. The PVC is not configured to support set up and trial of these off-site storage concepts.						
24. Proposed Solution: (use additional sheets if necessary) Develop procedures to change the PVC configuration of Legato Networker backup software to include separate volume groups for full and interim backups, indexes, and cloned full backups and indexes. Purchase 75 additional DLT cartridges to implement and assess the capability for removing cloned full backups and indexes for off-site storage. Verify the suitability of the procedures and capability for off-site storage of system backups prior to its implementation at the DAACs.						
25. Alternate Solution: (use additional sheets if necessary)						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Continuation of current backup procedures, with backups stored only on the system, leaves the DAACs vulnerable to catastrophic loss of system configurations without recoverability. The Government customer will assess ECS configuration/performance as failing to meet requirements.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): <i>Neil McDonald</i> 2/17/00		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

CM01JA00

ECS/EDF/SCDV/M&O

ORIGINAL